

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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D314 Part B Plastic Welder Adhesive


Revision 0

Revision date 2015-06-01

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier	
Product name	D314 Part B Plastic Welder Adhesive
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC1] Adhesives, sealants;
1.3. Details of the supplier of the safety data sheet	
Company	Delta Adhesives Limited
Address	Unit 39-41 Claycliffe Business Park Cannon Way, Barugh Green Barnsley S75 1JU
Web	www.delta-adhesives.co.uk
Telephone	01226 381571
Fax	01226 381722
1.4. Emergency telephone number	
Emergency telephone number	0044 (0)7729 773555

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture	
2.1.1. Classification - 1999/45/EC	F; R11 Xi; R37/38-43 Symbols: F: Highly flammable. Xi: Irritant.
2.1.2. Classification - EC 1272/2008	Flam. Liq. 2: H225; Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Irrit. 2: H319; STOT SE 3: H335; Aquatic Chronic 3: H412;
2.2. Label elements	
Hazard pictograms	
2.3. Other hazards	
Other hazards	This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Methyl methacrylate	607-035-00-6	80-62-6	201-297-1	01-2119452498-28	70 - 80%	F; R11 Xi; R37/38 R43	
Pyridine, 3,5-diethyl-1,2-dihydro-1-phenyl-2-p ropyl-		34562-31-7	252-091-3		1 - 10%	Xn; R21/22 Xi; R38	
Hydrocarbon Wax (Paraffin wax, fume)		8002-74-2	232-315-6		0.5 - 1%		
Butylated Hydroxytoluene (2,6-Di-tert-butyl-p-cresol)		128-37-0		01-2119555270-46	0 - 0.5%	Xn; R22 Xi; R37/38 N; R51/53	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Methyl methacrylate	607-035-00-6	80-62-6	201-297-1	01-2119452498-28		Flam. Liq. 2: H225; STOT SE 3: H335; Skin Irrit. 2: H315; Skin Sens. 1: H317;	
Pyridine, 3,5-diethyl-1,2-dihydro-1-phenyl-2-p ropyl-		34562-31-7	252-091-3			Acute Tox. 4: H302; Acute Tox. 4: H312; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 4: H413;	
Acrylic Co-Polymer							
ABS Terpolymer							
N-Butylaniline		1126-78-9	214-425-6			Acute Tox. 4: H302;	
Hydrocarbon Wax (Paraffin wax, fume)		8002-74-2	232-315-6				
Defoamer						Flam. Liq. 3: H226; STOT SE 3: H336; Aquatic Chronic 2: H411;	
Wetting & Dispersing Additive						Eye Dam. 1: H318;	
Butylated Hydroxytoluene (2,6-Di-tert-butyl-p-cresol)		128-37-0		01-2119555270-46		Aquatic Chronic 1: H410;	
Copper naphthenate	029-003-00-5	1338-02-9	215-657-0			Flam. Liq. 3: H226; Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Keep affected person warm and at rest. get medical attention immediately.
Eye contact	Remove the affected person from the source of contamination immediately. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Immediate medical attention is required.
Skin contact	Remove the affected person from the source of contamination immediately. Remove contaminated clothing. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly. Move the exposed person to fresh air. Keep the affected person warm and at rest. If swallowed, seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Inhalation of vapour may cause shortness of breath.
Eye contact	May cause irritation to eyes. May cause irritation to mucous membranes.
Skin contact	Irritating to skin.
Ingestion	May cause stomach pain or vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

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4.3. Indication of any immediate medical attention and special treatment needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.

5.2. Special hazards arising from the substance or mixture

Vapour may travel considerable distance to source of ignition and flash back. . Burning produces irritating, toxic and obnoxious fumes. Highly flammable.

5.3. Advice for firefighters

Self-contained breathing apparatus. Wear protective clothing. In case of fire and/or explosion do not breathe fumes. Control run off water by containing and keeping it out of sewers and watercourses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Eliminate all sources of ignition. Wear suitable protective equipment.

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

6.4. Reference to other sections

Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind, keeping bystanders also upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak side up to prevent escape of liquid.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

7.3. Specific end use(s)

Industrial use resulting in manufacture of another substance (use of intermediates). Industrial uses: Uses of substances as such or in preparations at industrial sites.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

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8.1.1. Exposure Limit Values

Butylated Hydroxytoluene (2,6-Di-tert-butyl-p-cresol)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 10
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total inhalable dust: -	WEL 15 min limit mg/m3 total inhalable dust: -
	WEL 8-hr limit mg/m3 total respirable dust: -	WEL 15 min limit mg/m3 total respirable dust: -
Hydrocarbon Wax (Paraffin wax, fume)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 2
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 6
	WEL 8-hr limit mg/m3 total inhalable dust: -	WEL 15 min limit mg/m3 total inhalable dust: -
	WEL 8-hr limit mg/m3 total respirable dust: -	WEL 15 min limit mg/m3 total respirable dust: -
Methyl methacrylate	WEL 8-hr limit ppm: 50	WEL 8-hr limit mg/m3: 208
	WEL 15 min limit ppm: 100	WEL 15 min limit mg/m3: 416
	WEL 8-hr limit mg/m3 total inhalable dust: -	WEL 15 min limit mg/m3 total inhalable dust: -
	WEL 8-hr limit mg/m3 total respirable dust: -	WEL 15 min limit mg/m3 total respirable dust: -

8.2. Exposure controls

8.2.1. Appropriate engineering controls 8.2.2. Individual protection measures Eye / face protection Skin protection - Handprotection Respiratory protection		
	Ensure adequate ventilation of the working area.	
	Wear chemical protective clothing. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash immediately with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes wet or contaminated. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.	
	Approved safety goggles. Face shield. Provide eye wash station.	
	Chemical resistant gloves (PVC).	
In case of insufficient ventilation, wear suitable respiratory equipment.		

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Gel
Colour	Amber
Odour	Characteristic
pH	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	10 °C
Flammability (solid, gas)	No data available
Upper Explosive Limit	= 12.5 %
Lower Explosive Limit	= 2.1 %
Vapour pressure	No data available
Vapour density	No data available
Relative density	0.906 (H ₂ O = 1 @ 20 °C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	> 400000 mPas (Cone & Plate)
Explosive properties	No data available
Oxidising properties	No data available
Solubility	No data available

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	Not applicable.
Lead content	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

Avoid sparks, flames, heat and sources of ignition.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Oxidising agents.

10.4. Conditions to avoid

Heat, sparks and open flames. Do NOT allow to freeze. Keep away from strong acids, alkalis and organic peroxides/hydroperoxides.

10.5. Incompatible materials

Alkalis. Strong acids. Strong oxidising agents.

10.6. Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

Causes burns.

11.1.4. Toxicological Information

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11.1.4. Toxicological Information

Butylated Hydroxytoluene	Oral Rat LD50: 1700mg/kg Dermal Guinea Pig LD50: >8000mg/kg	Oral Mouse LD50: 800-1600mg/kg
Hydrocarbon Wax	Oral Rat LD50: 15.900,00mg/kg	
Pyridine, 3,5-diethyl-1,2-dihydro-1-phenyl- 2-propyl-	Dermal Rat LD50: 500mg/kg	Dermal Rabbit LD50: 1000mg/kg

11.1.13. Other information

	Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations.
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SECTION 12: Ecological information

12.1. Toxicity

	No data available
	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

	The product is potentially degradable.
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12.3. Bioaccumulative potential

	No data is available on this product.
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Partition coefficient

	D314 Part B Plastic Welder Adhesive No data available
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12.4. Mobility in soil

	No data is available on this product.
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12.5. Results of PBT and vPvB assessment

	This product does not contain any substances classified as PBT or vPvB.
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12.6. Other adverse effects

	May cause long-term adverse effects in the environment.
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SECTION 13: Disposal considerations

General information

	Dispose of in compliance with all local and national regulations.
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SECTION 14: Transport information

Hazard pictograms

	
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14.1. UN number

	UN1133
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14.2. UN proper shipping name

	ADHESIVES
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14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-

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14.3. Transport hazard class(es)

IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

14.4. Packing group

Packing group	II
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	33
Tunnel Category	(D/E)

IMDG

EmS Code	F-E S-D
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IATA

Packing Instruction (Cargo)	364
Maximum quantity	60L
Packing Instruction (Passenger)	353
Maximum quantity	5L

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

	COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
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SECTION 16: Other information

Other information

Text of risk phrases in Section 3	R11 - Highly flammable. R21/22 - Harmful in contact with skin and if swallowed. R22 - Harmful if swallowed. R37/38 - Irritating to respiratory system and skin. R38 - Irritating to skin. R43 - May cause sensitisation by skin contact. R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Text of Hazard Statements in Section 3	Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Skin Irrit. 2: H315 - Causes skin irritation. Skin Sens. 1: H317 - May cause an allergic skin reaction. STOT SE 3: H335 - May cause respiratory irritation. Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin

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Other information

Eye Irrit. 2: H319 - Causes serious eye irritation.
Aquatic Chronic 4: H413 - May cause long lasting harmful effects to aquatic life.
Acute Tox. 4: H302 - Harmful if swallowed.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
STOT SE 3: H336 - May cause drowsiness or dizziness.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Eye Dam. 1: H318 - Causes serious eye damage.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.